Miller puts more power into a lighter package

MILLER Electric has replaced its Spectrum 1250 air plasma cutter with the 1251, a machine that packs additional performance into a 97-pound package, compared with the earlier model's 416 pounds.

Designed for handheld and automated cutting, the new Spectrum 1251 cutting and gouging system has a 100-amp output, can sever 1¾-inch steel and has a rated cutting capacity of 1¼ inches. On thinner material, cutting speed increases.

The Spectrum 1251 cuts ¾-inch steel at 25 inches per minute, ⅝-inch steel at 40 IPM and ¼-inch steel at almost 140 IPM. It also cuts stainless steel, aluminum, copper and any metal that conducts electricity. In many applications, the plasma process can improve productivity and cut quality compared to oxy-fuel cutting or sawing.

"With the introduction of the Spectrum 1251, Miller now provides a complete family of inverter-based plasma products for applications requiring 100 amps or less of cutting power," says Steve Hidden, Miller product manager. In addition to cutting, the Spectrum 1251 provides superior gouging capabilities, such as for removing old welds and preparing joints, because it produces an extremely long gouging arc for hard-to-reach, heavy applications. Plasma-arc gouging produces less dust, smoke and other harmful environmental hazards compared with carbon-arc gouging.

Key Points

- Miller Electric's Spectrum 1251 is able to cut 1¾-inch steel.
- The new air plasma cutter weighs less than 100 pounds.
- Auto-Line technology uses any alternating-current feed.

The new model also boasts increased flexibility with Auto-Line power management technology. Auto-Line enables simple, direct connection to any 50- or 60-hertz, single- or three-phase primary power level from 190 to 630 VAC, enabling the Spectrum 1251 to operate in any situation anywhere in the world.

Other new features include Auto-Refire Technology, which automatically controls the pilot arc when cutting expanded metal or multiple pieces of metal, saving on costs by preserving consumables. Auto-Refire switches the pilot arc (to initiate the cutter arc) on or off as fast as necessary, and it automatically provides maximum power for cutting thicker or hardened metals. The automatic retriggering action reduces user hand fatigue.

The Spectrum 1251 is equipped with two exclusive Miller features: Wind Tunnel Technology and Fan-On-Demand, which increase productivity by reducing maintenance and downtime. Wind Tunnel Technology allows airborne contaminants to flow through a center channel instead of through the unit's internal components, preventing damage from abrasive dust and particles. The Fan-On-Demand cooling system only operates when needed. In dirty or dusty environments, it reduces the amount of airborne contaminants pulled through the machine, keeping internal components cleaner and reducing maintenance.

MILLER ELECTRIC'S new Spectrum 1251 air plasma cutter weighs 75% less than the previous model and runs on any alternating-current supply with little change in efficiency.

■ **Check out *www.millerwelds.com*, or call (800) 426-4553.**

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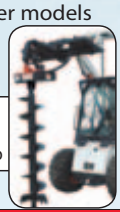

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Wheatheart Manufacturing
A division of Ag Growth Industries L.P.
3455 Idylwyld Drive, N.
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Toll Free 1- 877-934-0649
Ph (306) 934-0611
Fax (306) 934-6020